DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Pursell, Gary
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-002591
Date Inspected: 05-Aug-2010

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 830
OSM Departure Time: 1030
Location: SRIM, Shanghai

Quality Control Contact:	Mr. Lui	**Quality Control Present:**	☑ Yes ☐ No
Material transfer:	☐ Yes ☑ No ☐ N/A	**Sampled Items:**	☐ Yes ☑ No ☐ N/A
Stock Transfer:	☐ Yes ☑ No ☐ N/A	**OK to Cut:**	☐ Yes ☑ No ☐ N/A
Rebar Test Witness:	☐ Yes ☑ No ☐ N/A	**Delayed/Cancelled:**	☐ Yes ☑ No ☐ N/A
Other:	wintess tensile test material qualifications		
Bridge No:	34-0006	**Component:**	TTP-Z plate
Bid Item:	34-0006	**Lot No:**	B240

Summary of Items Observed:

Caltrans Quality Assurance (QA) inspector representative, Mr. Rodney Patterson, Wai Pau, ABF QA Mr. Jeff, and ZPMC QA Mr. Canon traveled to SRIM Test Lab, Shanghai to witness mechanical tensile tests processing for material qualifications. All the material is used for TTP-Z plates. The mechanical test includes 16 lots and each lot has one tensile test. The test material grade is A709M-345T2-X/345F2-X and lot number is CX090223Q013, CX090112Q009, XX090429Q012, 070216Q233, CX090813Q108,CX091116Q016,CX091116Q030, CX091116Q036, CX0908131107, CX090101Q397, WY070806Q099, WY070916Q011, BS070728Q103, CX091109Q012, CX091108Q013, CX091125Q001. The tensile test equipment used is Zwick / Roell, model Z400 tensile/compression machine with computerize load indicator. The machine calibrated due day is Sep-11-2011. Total 16 piece tensile test specimens were individually installed into tensile/compression machine for each tensile test. Each test specimen ruptured under tensile load and determined the maximum ultimate tensile strength and type of failure. Caltrans QA inspector verified that accuracy of tensile strength reading, which indicated on digital indicator during each ruptured time, also check the ruptured area and elongation of test specimens after unloaded from the test machine. The entire various mechanical tests operation were recorded and accepted by the SRIM technician. Based on Caltrans QA inspector observation, the mechanical tensile tests were appeared to be in general compliance with requirement of Caltrans Special Provision and contract documents. SRIM will submit those tensile tests tomorrow afternoon.

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)


specimen was individually installed into tensile/compression machine for each test


check the ruptured area for elongation


tensile test specimens

Summary of Conversations:

As notes within report above

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact James Devey 15000026784 , who represents the Office of Structural Materials for your project.

Inspected By:	Pau,Wai	Quality Assurance Inspector
Reviewed By:	Patterson,Rodney	QA Reviewer